

Master's in Power Converter Design & Analysis



SKILL  LYNC



Who are we?

Skill-Lync is an engineering e-learning platform based in Chennai. The brainchild of two engineers, we are at the forefront of re-shaping engineering education in India. In the winter of 2019, we became the first start-up from Chennai to be funded by Y-Combinator.

Today, close to 8000+ students from over 58 countries study at Skill-Lync. Over three years we have helped 280 engineers achieve their dream careers.

58+

Countries

8000+

Students

300+

Placements

30000+

Projects



About the program

The law of conservation of energy, as we know, states that energy can neither be created nor destroyed but it can change its form from one to another. We can see countless examples in real life where this law is upheld, such as dams, vehicles, etc. But when we speak about energy usage, another term is used called Power. A popular misconception among people today is that the terms power and energy can be used interchangeably, which is not true. Energy is the total amount of work done, while power is how fast the work is done. In simpler terms, power is energy per unit time. Just like energy, power can be converted from one form to another. This process in which electrical energy is converted from one form to another is known as power conversion, and the device used for this purpose is called a power converter.

Being an electrical or electro-mechanical device, a power converter can be as simple as a transformer or a far more complex system. It can convert alternating current (AC) to direct current (DC) and vice versa, change the voltage and frequency of the current, or a combination of these two processes. The main purpose of a power converter is to convert the electrical energy to a form that is optimally suited for the user loads.

Initially, energy was converted in electromechanical converters. These converters were basically rotating devices and were not as efficient. However, with the development of more sophisticated technology such as power semiconductors, static power converters have found applications in various fields. Unlike rotating power converters, static power converters are smaller and lighter, and they provide better static and dynamic performance.

An ideal static power converter is able to control the flow of power with 100% efficiency, which is not possible. There are always some factors that affect the efficiency of not just power converters but the whole system. Nevertheless, engineers strive to develop power converters with as high efficiency as possible. At Skill-Lync, we are trying to provide insights and guidance to design and develop modern converters with advanced controls.

Let us introduce you to our master's program in power converters! If you are looking for a career in power industries, electric vehicles, renewable energy, energy storage, or any other field in the world of electrical and electronics engineering, this program will be the best for you. This program will guide you through the recent industry trends and how the industry will shape up to design modern power converters for various applications.



Our Support Engineers

Once you enroll in our program, we make sure to walk you through the entire coursework with our support engineers. Our technical support engineers are available round the clock to answer any questions or doubts that you may have while you go through our coursework.

You will be added to a whatsapp group where you can discuss your queries and you will also get dedicated one-on-one video calls with our support engineers.

This will make sure that you have a seamless learning experience.

Career Support

Counselling

Our career success team is here to sit with the students to understand their passion and goals to advise them towards the right career path. They also analyse their strengths and weaknesses to mould them towards success in the path they choose.

LinkedIn

Making the right connections on LinkedIn can be your gateway to many job opportunities. Our career support team helps you capitalise on this platform.

Resume

The resume of the candidate forms the first impression to the recruiter. That is why we help them create one that highlights their key skills, strengths and knowledge.

Tool Tests

The first round of every interview is where the candidate is judged on their technical skills. These are done by conducting various tool tests. Our students are specifically trained to ace this by our technical support team.

Mock Interviews

More the number of interviews a candidate attends, the better their confidence level. Our students are trained with several mock interviews so that they get enough exposure to understand their weak spots and prepare for the real one with ease.



Reasons to select this course

- Designed by Skill-Lync with inputs from academicians and industry experts to ensure that students are trained in the skills expected in the industry.
- Students will be supported by Skill-Lync's dedicated team of support engineers, who will answer all your questions around the clock.
- After you have completed 80% of your program syllabus, you will start to talk to the Skill-Lync career success team who will help you train for your interviews. They will also help you apply for the job roles that you are best equipped for. Alongside this, they will also help streamline your resume and your LinkedIn profile, such that the recruiters will come to you with job offers and not the other way around.

Course Syllabus

This Master's program consists of 7 different unique modules.

- MATLAB and Simulink Basics
- Simulation and Design of power converters using Matlab and Simulink
- Advanced PCB Design using Altium
- AC-DC Rectifiers, Harmonics and Related Standards
- Fundamentals of DC-DC Converter
- Modeling of Power Converters for Modern Industrial Applications

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Basic

9 Months Access

₹ 15000

Enroll Now

Per month for 10 months

- Access Duration : 9 months
- Mode of Delivery : Online
- Project Portfolio : Available
- Certification : Available
- Email Support : Available
- Whatsapp Support : Available

Pro

18 Months Access

₹ 20000

Enroll Now

Per month for 10 months

- Job Assistance : Available
- Master's Assistance : Available
- Access Duration : 18 months
- Mode of Delivery : Online
- Individual Video Support : 16/month
- Certification : Available
- Group Video Support : 16/Month
- Email Support : Available
- Whatsapp Support : Available
- Telephone Support : Available
- Add-ons Industry Projects : 10

Premium

Lifetime Access


₹ 25000


Enroll Now


Per month for 10 months

- Job Assistance : Available
- Master's Assistance : Available
- Access Duration : Lifetime
- Mode of Delivery : Online
- Individual Video Support : 24x7
- Certification : Available
- Group Video Support : 24x7
- Project Portfolio : Available
- Email Support : Available
- Whatsapp Support : Available
- Telephone Support : Available
- Add-ons Industry Projects : 10
- Offline Skill-Center Access : Available
- Dedicated Support Engineer : Available
- Paid Internship : 3 Months


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